

## INFORMATION DISCLOSURE STATEMENT

(37 CFR 1.56, 1.97, and 1.98)

SHEET 1 OF 2

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25352-0011

APPLICATION NO.

09/748,665

APPLICANT(S)

Richard Sportsman et al.

FILING DATE

December 21, 2000

ART UNIT

1617

## U.S. PATENT DOCUMENTS

† EX'R INITIAL	* REF. #	PATENT NUMBER	DATE (MO/YR)	NAME	CLASS/ SUBCLASS	FILING DATE (If appropriate)
CV	1	5,217,869	6/1993	Kauvar	435/7.9	
CV	2	5,300,425	4/1994	Kauvar	435/7.9	
CV	3	5,587,293	12/1996	Kauvar et al.	435/7.21	
CV	4	6,329,431	12/2001	Sportsman et al.	514/598	

## FOREIGN PATENT DOCUMENTS

† EX'R INITIAL	* REF. #	COUNTRY	PATENT NUMBER	DATE (MO/YR)	APPLICANT	TRANSLATION
CV	5	EP	0 172 427	2/1986	Shin-Etsu Chemical Co., Ltd.	
CV	6	WO	95/23231	8/1995	Max Planck Institute	
CV	7	WO	96/30762	10/1996	Merck & Co. Inc.	
CV	8	WO	96/40276	12/1996	Sugen, Inc.	

## OTHER DOCUMENTS

† EX'R INITIAL	* REF. #	CITATION (Author, Article Title, Journal/Book Title, Date, Pertinent Pages, etc.)
CV	9	Brinkworth et al., "Non-peptidic anti-AIDS agents: inhibition of HIV-1 proteinase by disulfonates", <i>Biochem. Biophys. Res. Commun.</i> , <b>188</b> (2), 624-630 (1992)
	10	Desbois-Mouthon et al., "Severe resistance to insulin and insulin-like growth-factor-I in cells from a patient with leprechaunism as a result of two mutations in the tyrosine kinase domain of the insulin receptor", <i>Metabolism</i> , <b>45</b> , 1493-1500 (1996)
	11	Hubbard, "Crystal structure of the activated insulin receptor tyrosine kinase in complex with peptide substrate and ATP analog", <i>EMBO J.</i> , <b>16</b> , 5572-5581 (1997)
	12	Hubbard et al., "Crystal structure of the tyrosine kinase domain of the human insulin receptor", <i>Nature</i> , <b>372</b> , 746-754 (1994)
	13	Kirchberger et al., "Studies of the interaction of NADH oxidase from <i>Thermus thermophilus</i> HB8 with triazine dyes", <i>J. Chromatogr. A</i> , <b>668</b> , 153-164 (1994)
	14	Kletzien et al., "Enhancement of adipocyte differentiation by an insulin-sensitizing agent", <i>Mol. Pharmacol.</i> , <b>41</b> , 393-398 (1992)
	15	Kobayashi et al., "Pioglitazone increases insulin sensitivity by activating insulin receptor kinase", <i>Diabetes</i> , <b>41</b> , 476-483 (1992)
	16	Kohanski, "Insulin receptor autophosphorylation. II. Determination of autophosphorylation sites by chemical sequence analysis and identification of the juxtamembrane sites", <i>Biochem.</i> , <b>32</b> , 5773-5780 (1993)
CV	17	Kole et al., "A synthetic peptide derived from the COOH-terminal domain of the insulin receptor specifically enhances insulin receptor signaling", <i>J. Biol. Chem.</i> , <b>271</b> , 31619-31626 (1996)

EXAMINER'S SIGNATURE

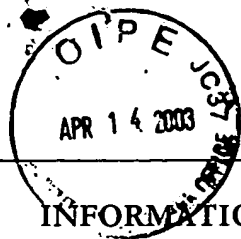
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† EX'R INITIAL	* REF. #	CITATION (Author, Article Title, Journal/Book Title, Date, Pertinent Pages, etc.)
Sw	18	Macaulay et al., "Mutagenic structure-function analysis of the cytoplasmic cysteines of the insulin receptor", <i>Biochem. J.</i> , <b>306</b> , 811-820 (1995)
	19	Maddux et al., "Evidence that insulin plus ATP may induce a conformational change in the beta subunit of the insulin receptor without inducing receptor autophosphorylation", <i>J. Biol. Chem.</i> , <b>266</b> , 6731-6736 (1991)
	20	Moller et al., "A naturally occurring mutation of insulin receptor alanine 1134 impairs tyrosine kinase function and is associated with dominantly inherited insulin resistance", <i>J. Biol. Chem.</i> , <b>265</b> , 14979-14985 (1990)
	21	Ojala et al., "The X-ray crystal structure of the sulfonated azo dye Congo Red, a non-peptidic inhibitor of HIV-1 protease which also binds to reverse transcriptase and amyloid proteins", <i>Antiviral. Chem. Chemother.</i> , <b>6</b> , 25-33 (1995)
	22	O'Neill et al., "Characterization of an interaction between insulin receptor substrate 1 and the insulin receptor by using the two-hybrid system", <i>Mol. Cell Biol.</i> , <b>14</b> , 6433-6442 (1994)
	23	Rafaeloff et al., "Transmembrane signalling by insulin via an insulin receptor mutated at tyrosines 1158, 1162, and 1163", <i>Biochem. Biophys. Res. Commun.</i> , <b>179</b> , 912-918 (1991)
	24	Rolband et al., "Deletion of the insulin receptor beta-subunit acidic domain results in enhanced metabolic signaling", <i>Endocrinology</i> , <b>133</b> , 1437-1443 (1993)
	25	Sung et al., "Regulation of biological functions by an insulin receptor monoclonal antibody in insulin receptor beta-subunit mutants", <i>Biochemistry</i> , <b>31</b> , 168-174 (1992)
	26	Ullrich et al., "Human insulin receptor and its relationship to the tyrosine kinase family of oncogenes", <i>Nature</i> , <b>313</b> , 756-761 (1985)
Sw	27	Wei et al., "Expression, characterization and crystallization of the catalytic core of the human insulin receptor protein-tyrosine kinase domain", <i>J. Biol. Chem.</i> , <b>270</b> , 8122-8130 (1995)

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